

Docket No: 88-1470  
 Title: Fructo  
 Inventor: Leslie [REDACTED] Bell  
 Appl. No.: Unknown  
 E.I. DuPont de Nemours

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TRQSP-----RLPEPTSPSLS--SLCLSSRNRVHLAAASKRQMAPLGDG-GAAAAASN  
 -ARASPPPHPKK--FPTIPSLSLNLDLSSPLVFARASR-----VVVGGAMAGRS  
 HERTSLSCRSKTVFQNPNTLSSP-----MALNNNGVPATGT  
 -----MAPLGDAAVAPAAAAAAP  
 SEQ ID NO: 02  
 SEQ ID NO: 06  
 SEQ ID NO: 08  
 SEQ ID NO: 12  
 SEQ ID NO: 13  
 1  
 NLVVSFGEMLIDFVVDVAGLSLAESGGFVKAAPGGAPANVACAIAKLGGSSAFVGKFGDDE  
 ELVVSFGEMLIDFVPTVAGVSLAEAPAFVKAAPGGAPANVAIAVARLGGGAAFVGKLGDDDE  
 GLIVSFGEMLIDFVPTVSGVSLAEAPGFLKAAPGGAPANVAVSRLGGKAAFVGKLGDDDE  
 GLVVSFGEMLIDFVVDVAGVSLAESGGFVKAAPGGAPANVACAIISKLGSSAFIGKFGDDE  
 GLIVSFGEMLIDFVPTVSGVSLAEAPGFLKAAPGGAPANVAVTRLGGKSAFVGKLGDDDE  
 60  
 61  
 NLVVSFGEMLIDFVVDVAGLSLAESGGFVKAAPGGAPANVACAIAKLGGSSAFVGKFGDDE  
 ELVVSFGEMLIDFVPTVAGVSLAEAPAFVKAAPGGAPANVAIAVARLGGGAAFVGKLGDDDE  
 GLIVSFGEMLIDFVPTVSGVSLAEAPGFLKAAPGGAPANVAVSRLGGKAAFVGKLGDDDE  
 GLVVSFGEMLIDFVVDVAGVSLAESGGFVKAAPGGAPANVACAIISKLGSSAFIGKFGDDE  
 GLIVSFGEMLIDFVPTVSGVSLAEAPGFLKAAPGGAPANVAVTRLGGKSAFVGKLGDDDE  
 120  
 121  
 FGHMLVNILKQNNVNSEGCLFDKKHARTALAFVTLKHHDGEREFMFYRNPSADMLTEAELD  
 FGRMLAAILRDNGVDDGGVVVEDAGARTALAFVTLRADGEREFMFYRNPSADMLLTHAELN  
 FGHMLLAGILKENGVRADGINFDQGARTALAFVTLRADGEREFMFYRNPSADMLKPEELN  
 FGHMLVEILKQNGVNAEGCLEDQHARTALAFVTLKSNGEREFMFYRNPSADMLTEAELN  
 FGHMLLAGILKTNGVQAEGINEDKGARTALAFVTLRADGEREFMFYRNPSADMLTPAELN  
 180  
 181  
 SEQ ID NO: 02  
 SEQ ID NO: 06  
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 SEQ ID NO: 12  
 SEQ ID NO: 13  
 SEQ ID NO: 02  
 SEQ ID NO: 06  
 SEQ ID NO: 08  
 SEQ ID NO: 12  
 SEQ ID NO: 13  
 181  
 LGLVRRRAKVFHYGSISLISEPCRSAAHMAAMRAAKAAGVLCSYDPNVRLPLWPSPPDAAREG  
 VELIKRAAVFHYGSISLIAEPCRSAAHLRAMEIAKEAGALLSYDPNLREALWPSREARTK  
 LELIRSAKVFHYGSISLIVEPCRSAAHLKAMEVAKESGCLLSYDPNLRLPLWPSAAQARDG  
 LDLIRRARIHYGSISLITEPCRSAAHVAATRAAKSAGILCSYDPNVRLPLWPSAAQARDG  
 LDLIRSAKVFHYGSISLIVEPCRAAHMKAMEVAKEMPCRAAHMPCRAAHMPCRAAHM  
 240

FIG. 1A

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 ILSIWKEADFIKVSDDDEVAFLTRGDANDEKNVLSLWFDGLKLLVVVTDGDKGCRYFTKDFK  
 ILSIWQADIVKVSEVELEFLTGIDSVEDVVVMKLWRPTMKLQDQGCKYYARDFR  
 ILSIWEKADLIKVSDAELEFLTGSDKIDDESALSLWHPNLKLLVTLGEHGSRYYTKSFK  
 IMSIWKEADFIKVSDEEVAFLTQGDATADEKNVLSLWFEGLKLLIVTDGEKGCRYFTKDFK  
 IKSIIWDSADVIKVSDDVELEFLTGSNKIDDESAMSLWHPNIKLLVTLGEKGNCYYYTKKFH  
 300  
 241

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 GSVPGFKVDTVDDTGAGDAFVGSSLVNVAKDDDSIFHNEEKLREALKESNACGAICTTKKG  
 GAVPSYKVQQVQVDTTGAGDAFVGALLRRIVQDPSSLQDQKLEEAIKFANACGAIITATKKG  
 GSVDAFHVNNTVDDTGAGDSFVGALLAKIVDDQSILEDEPRLREVLKFANACGAIITTTQKG  
 GSVPGYSVNTVDDTGAGDAFVGSSLVSVSKDDDSIFYNEAKLREVVLQFSNACGAICTTKKG  
 GTVGGFHVKTVDTTGAGDSFVGALLTKIVDDQTIILEDEARLKEVLRFSCACGAIITTKKG  
 360  
 301

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AIPALPTVATAQDLIAKA-N  
 AIPSLPTEVEVLKLM-ES-A  
 AIPALPKEEAALKLI-KGGS  
 AIPALPTATALELLISKGSN  
 AIPALPTASEALTLL-KGGA  
 380  
 361

SEQ ID NO: 02  
 SEQ ID NO: 06  
 SEQ ID NO: 08  
 SEQ ID NO: 12  
 SEQ ID NO: 13

SEQ ID NO: 02  
 SEQ ID NO: 06  
 SEQ ID NO: 08  
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FIG. 1B